



MacBook Air 13" Early 2015 Fan Replacement

Replace the Fan in your MacBook Air 13" Mid 2015.

Written By: iRobot



INTRODUCTION

Use this guide to replace a noisy MacBook Air 13" Early 2015 fan, or simply remove it for cleaning.

[video: <https://www.youtube.com/watch?v=hR1X0EErg6Q>]



TOOLS:

- [P5 Pentalobe Screwdriver Retina MacBook Pro and Air](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)



PARTS:

- [MacBook Air 13" \(Late 2010 to Early 2015\) Fan](#) (1)

Step 1 — Lower Case



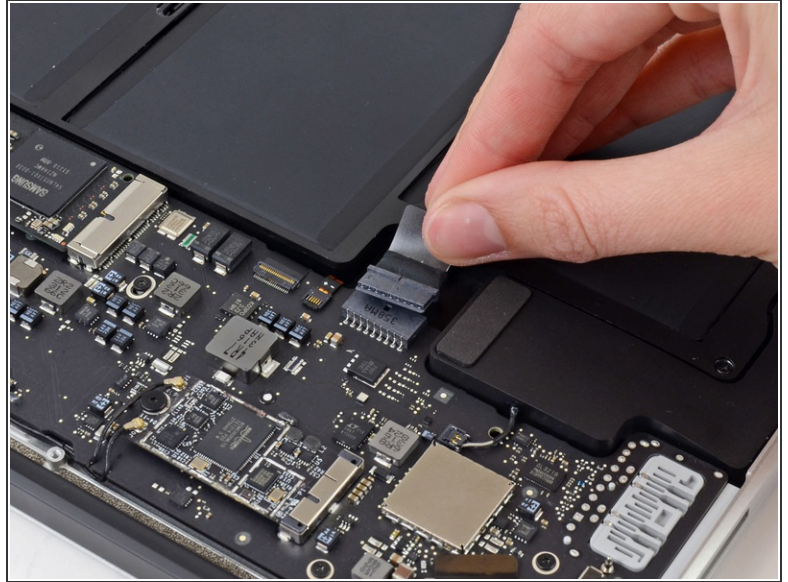
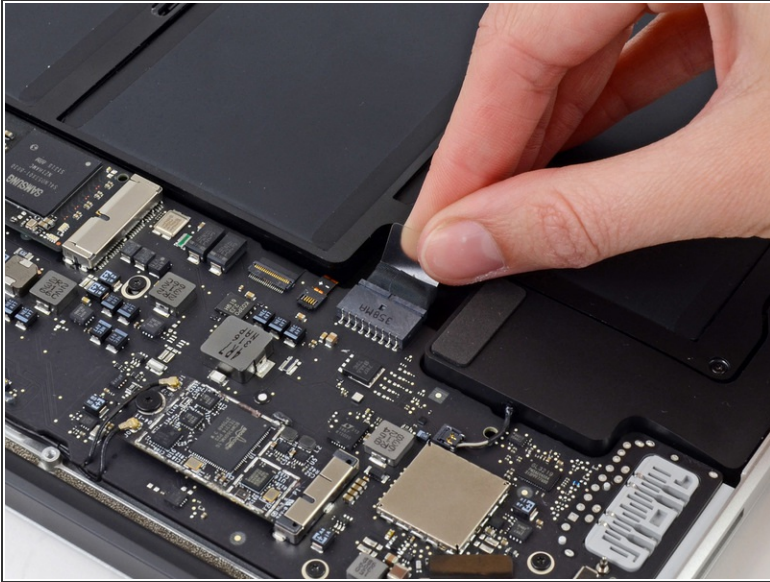
- **i** Before proceeding, power down your machine. Close the display and lay it on a soft surface top-side down.
- Remove the following ten screws:
 - Two 9 mm P5 Pentalobe screws
 - Eight 2.6 mm P5 Pentalobe screws
- The special screwdriver needed to remove the ten 5-point Pentalobe screws can be found [here](#).



Step 2



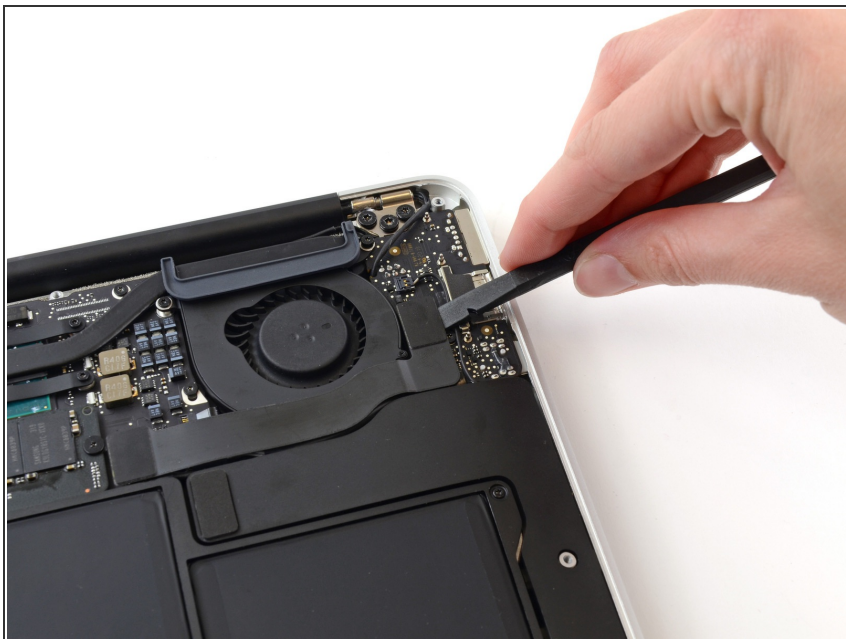
- Wedge your fingers between the display and the lower case and pull upward to pop the lower case off the Air.
- Remove the lower case and set it aside.

Step 3 — Battery Connector



-  To ensure that everything is de-energized and won't turn on while you're working, it is recommended that you disconnect the battery.
- Grab the clear plastic pull tab attached to the battery connector and pull it toward the front edge of the Air to disconnect the battery from the logic board.
-  Do not lift upward on the connector as you disconnect it.

Step 4 — I/O Board Cable



- Use the flat end of a spudger to pry the I/O board cable connector up out of its socket on the I/O board.


Step 5



- Carefully peel the I/O board cable from the adhesive securing it to the top of the fan.

Step 6




 The following connector has an especially deep socket. Use care when disconnecting it.

- While gently pulling the I/O board cable upward near its connection to the logic board, use the flat end of a spudger to pry up on alternating sides of the connector to help "walk" it out of its socket.
- Remove the I/O board cable.

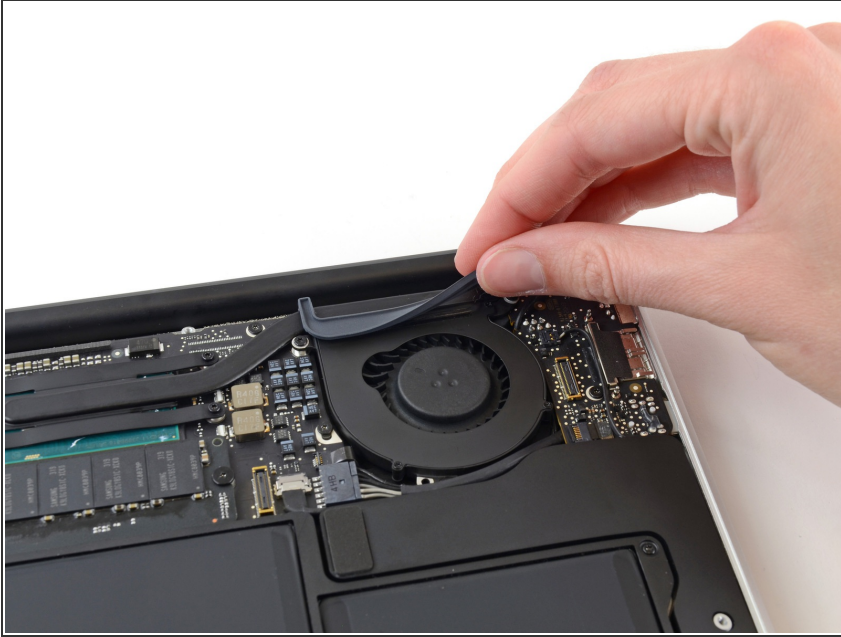
Step 7 — Fan



- Use the tip of a spudger to carefully flip up the retaining flap on the fan cable ZIF socket.

 Be sure you are prying up on the hinged retaining flap, **not** the socket itself.

Step 8



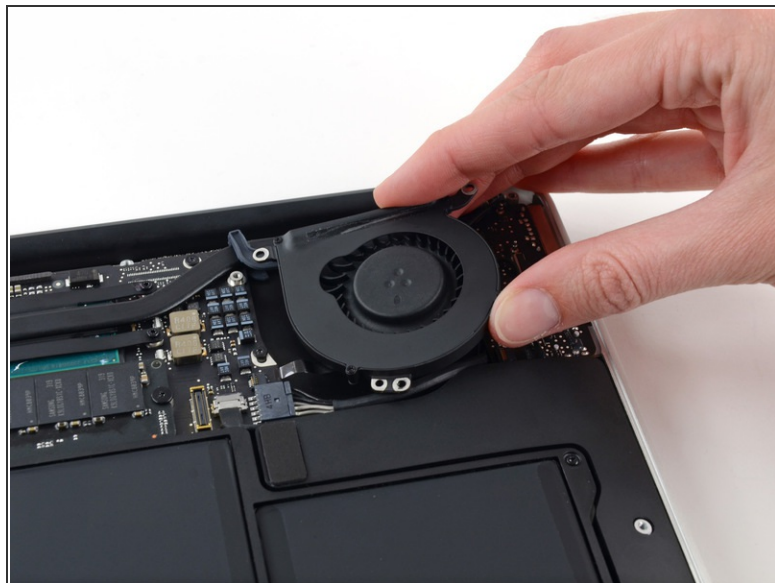
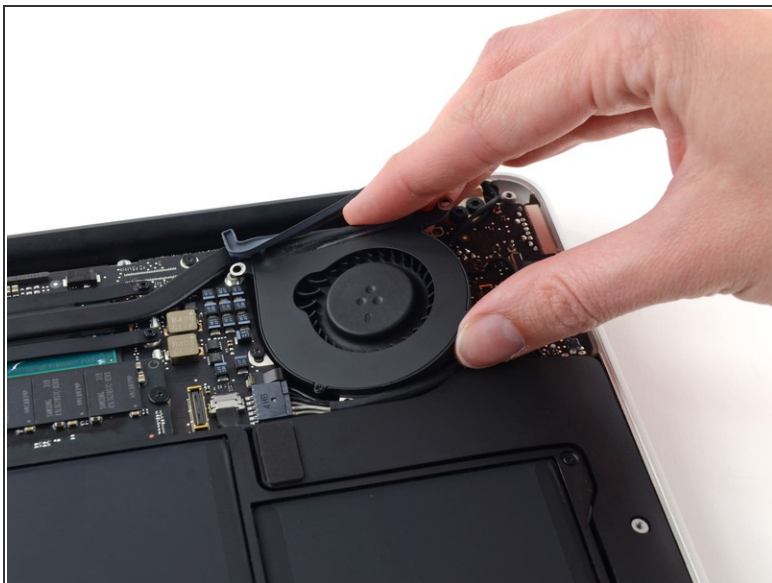
- Peel the rubber gasket off the adhesive on the top of the fan.

Step 9



- Remove the following three screws securing the fan to the upper case:
 - One 5.2 mm T5 Torx screw
 - One 3.3 mm T5 Torx screw
 - One 4.4 mm T5 Torx screw with a short head

Step 10



- Lift the fan from the I/O board side and pull it free from the upper case.
- Removing the fan will also disconnect the fan ribbon cable. Be careful not to snag it.

To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-10-25 06:33:07 AM.